



1653 ENTERED

1600

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,034

DATE: 04/30/2002

TIME: 16:06:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw

RECEIVED

MAY 07 2002

TECH CENTER 1600/2900

RECEIVED

MAY 07 2002

TECH CENTER 1600/2900

3 <110> APPLICANT: Yoneda, Toshiyuki
 4 Nomizu, Motoyoshi
 5 Kumagai, Yoshinari
 7 <120> TITLE OF INVENTION: Integrin Binding Motif Containing
 8 Peptides and Methods of Treating Skeletal Diseases
 11 <130> FILE REFERENCE: BEAR-006
 13 <140> CURRENT APPLICATION NUMBER: 09/641,034
 14 <141> CURRENT FILING DATE: 2000-08-16
 16 <160> NUMBER OF SEQ ID NOS: 47
 18 <170> SOFTWARE: FastSEQ for Windows Version 4.0
 20 <210> SEQ ID NO: 1
 21 <211> LENGTH: 4
 22 <212> TYPE: PRT
 23 <213> ORGANISM: Artificial Sequence
 25 <220> FEATURE:
 26 <223> OTHER INFORMATION: synthetic peptide
 28 <400> SEQUENCE: 1
 29 Ser Gly Asp Gly
 30 1
 32 <210> SEQ ID NO: 2
 33 <211> LENGTH: 97
 34 <212> TYPE: PRT
 35 <213> ORGANISM: Artificial Sequence
 37 <220> FEATURE:
 38 <223> OTHER INFORMATION: synthetic peptide
 40 <400> SEQUENCE: 2
 41 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
 42 1 5 10 15
 43 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
 44 20 25 30
 45 Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu Arg
 46 35 40 45
 47 Gly Asp Asn Asp Ile Ser Pro Phe Ser Gly Asp Gly Gln Pro Phe Lys
 48 50 55 60
 49 Asp Ile Pro Gly Lys Gly Glu Ala Thr Gly Pro Asp Leu Glu Gly Lys
 50 65 70 75 80
 51 Asp Ile Gln Thr Gly Phe Ala Gly Pro Ser Glu Ala Glu Ser Thr His
 52 85 90 95
 53 Leu
 56 <210> SEQ ID NO: 3
 57 <211> LENGTH: 47
 58 <212> TYPE: PRT
 59 <213> ORGANISM: Artificial Sequence

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,034

DATE: 04/30/2002

TIME: 16:06:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw

61 <220> FEATURE:

62 <223> OTHER INFORMATION: synthetic peptide

64 <400> SEQUENCE: 3

65 Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg Ile Gln His

66 1 5 10 15

67 Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys Ile Pro Ser

68 20 25 30

69 Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu Arg Gly Asp

70 35 40 45

72 <210> SEQ ID NO: 4

73 <211> LENGTH: 47

74 <212> TYPE: PRT

75 <213> ORGANISM: Artificial Sequence

77 <220> FEATURE:

78 <223> OTHER INFORMATION: synthetic peptide

80 <400> SEQUENCE: 4

81 Arg Gly Asp Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg

82 1 5 10 15

83 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys

84 20 25 30

85 Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu

86 35 40 45

88 <210> SEQ ID NO: 5

89 <211> LENGTH: 47

90 <212> TYPE: PRT

91 <213> ORGANISM: Artificial Sequence

93 <220> FEATURE:

94 <223> OTHER INFORMATION: synthetic peptide

96 <400> SEQUENCE: 5

97 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg

98 1 5 10 15

99 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys

100 20 25 30

101 Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Arg Gly Asp

102 35 40 45

104 <210> SEQ ID NO: 6

105 <211> LENGTH: 44

106 <212> TYPE: PRT

107 <213> ORGANISM: Artificial Sequence

109 <220> FEATURE:

110 <223> OTHER INFORMATION: synthetic peptide

112 <400> SEQUENCE: 6

113 Arg Gly Asp Ser Pro Val Lys Ser Lys Ser Thr His Arg Ile Gln His

114 1 5 10 15

115 Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys Ile Pro Ser

116 20 25 30

117 Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu

118 35 40

120 <210> SEQ ID NO: 7

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,034

DATE: 04/30/2002

TIME: 16:06:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw

```

121 <211> LENGTH: 44
122 <212> TYPE: PRT
123 <213> ORGANISM: Artificial Sequence
125 <220> FEATURE:
126 <223> OTHER INFORMATION: synthetic peptide
128 <400> SEQUENCE: 7
129 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
130 1 5 10 15
131 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
132 20 25 30
133 Ile Pro Ser Asp Phe Glu Gly Ser Gly Arg Gly Asp
134 35 40
136 <210> SEQ ID NO: 8
137 <211> LENGTH: 37
138 <212> TYPE: PRT
139 <213> ORGANISM: Artificial Sequence
141 <220> FEATURE:
142 <223> OTHER INFORMATION: synthetic peptide
144 <400> SEQUENCE: 8
145 Arg Gly Asp Thr His Arg Ile Gln His Asn Ile Asp Tyr Leu Lys His
146 1 5 10 15
147 Leu Ser Lys Val Lys Lys Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr
148 20 25 30
149 Thr Asp Leu Gln Glu
150 35
152 <210> SEQ ID NO: 9
153 <211> LENGTH: 41
154 <212> TYPE: PRT
155 <213> ORGANISM: Artificial Sequence
157 <220> FEATURE:
158 <223> OTHER INFORMATION: synthetic peptide
160 <400> SEQUENCE: 9
161 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
162 1 5 10 15
163 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
164 20 25 30
165 Ile Pro Ser Asp Phe Glu Arg Gly Asp
166 35 40
168 <210> SEQ ID NO: 10
169 <211> LENGTH: 27
170 <212> TYPE: PRT
171 <213> ORGANISM: Artificial Sequence
173 <220> FEATURE:
174 <223> OTHER INFORMATION: synthetic peptide
176 <400> SEQUENCE: 10
177 Arg Gly Asp Leu Lys His Leu Ser Lys Val Lys Lys Ile Pro Ser Asp
178 1 5 10 15
179 Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu
180 20 25

```

RAW SEQUENCE LISTING

DATE: 04/30/2002

PATENT APPLICATION: US/09/641,034

TIME: 16:06:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw

```

182 <210> SEQ ID NO: 11
183 <211> LENGTH: 38
184 <212> TYPE: PRT
185 <213> ORGANISM: Artificial Sequence
187 <220> FEATURE:
188 <223> OTHER INFORMATION: synthetic peptide
190 <400> SEQUENCE: 11
191 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
192 1 5 10 15
193 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Val Lys Lys
194 20 25 30
195 Ile Pro Ser Arg Gly Asp
196 35
198 <210> SEQ ID NO: 12
199 <211> LENGTH: 24
200 <212> TYPE: PRT
201 <213> ORGANISM: Artificial Sequence
203 <220> FEATURE:
204 <223> OTHER INFORMATION: synthetic peptide
206 <400> SEQUENCE: 12
207 Arg Gly Asp Leu Ser Lys Val Lys Lys Ile Pro Ser Asp Phe Glu Gly
208 1 5 10 15
209 Ser Gly Tyr Thr Asp Leu Gln Glu
210 20
212 <210> SEQ ID NO: 13
213 <211> LENGTH: 32
214 <212> TYPE: PRT
215 <213> ORGANISM: Artificial Sequence
217 <220> FEATURE:
218 <223> OTHER INFORMATION: synthetic peptide
220 <400> SEQUENCE: 13
221 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
222 1 5 10 15
223 Ile Gln His Asn Ile Asp Tyr Leu Lys His Leu Ser Lys Arg Gly Asp
224 20 25 30
226 <210> SEQ ID NO: 14
227 <211> LENGTH: 21
228 <212> TYPE: PRT
229 <213> ORGANISM: Artificial Sequence
231 <220> FEATURE:
232 <223> OTHER INFORMATION: synthetic peptide
234 <400> SEQUENCE: 14
235 Arg Gly Asp Val Lys Lys Ile Pro Ser Asp Phe Glu Gly Ser Gly Tyr
236 1 5 10 15
237 Thr Asp Leu Gln Glu
238 20
240 <210> SEQ ID NO: 15
241 <211> LENGTH: 28
242 <212> TYPE: PRT

```

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/641,034

DATE: 04/30/2002

TIME: 16:06:56

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw

243 <213> ORGANISM: Artificial Sequence
 245 <220> FEATURE:
 246 <223> OTHER INFORMATION: synthetic peptide
 248 <400> SEQUENCE: 15
 249 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
 250 1 5 10 15
 251 Ile Gln His Asn Ile Asp Tyr Leu Lys Arg Gly Asp
 252 20 25
 254 <210> SEQ ID NO: 16
 255 <211> LENGTH: 18
 256 <212> TYPE: PRT
 257 <213> ORGANISM: Artificial Sequence
 259 <220> FEATURE:
 260 <223> OTHER INFORMATION: synthetic peptide
 262 <400> SEQUENCE: 16
 263 Arg Gly Asp Ile-Pro Ser Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu
 264 1 5 10 15
 265 Gln Glu
 268 <210> SEQ ID NO: 17
 269 <211> LENGTH: 25
 270 <212> TYPE: PRT
 271 <213> ORGANISM: Artificial Sequence
 273 <220> FEATURE:
 274 <223> OTHER INFORMATION: synthetic peptide
 276 <400> SEQUENCE: 17
 277 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
 278 1 5 10 15
 279 Ile Gln His Asn Ile Asp Arg Gly Asp
 280 20 25
 282 <210> SEQ ID NO: 18
 283 <211> LENGTH: 15
 284 <212> TYPE: PRT
 285 <213> ORGANISM: Artificial Sequence
 287 <220> FEATURE:
 288 <223> OTHER INFORMATION: synthetic peptide
 290 <400> SEQUENCE: 18
 291 Arg Gly Asp Asp Phe Glu Gly Ser Gly Tyr Thr Asp Leu Gln Glu
 292 1 5 10 15
 294 <210> SEQ ID NO: 19
 295 <211> LENGTH: 19
 296 <212> TYPE: PRT
 297 <213> ORGANISM: Artificial Sequence
 299 <220> FEATURE:
 300 <223> OTHER INFORMATION: synthetic peptide
 302 <400> SEQUENCE: 19
 303 Asp Ser Gln Ala Gln Lys Ser Pro Val Lys Ser Lys Ser Thr His Arg
 304 1 5 10 15
 305 Arg Gly Asp
 308 <210> SEQ ID NO: 20

VERIFICATION SUMMARY

PATENT APPLICATION: US/09/641,034

DATE: 04/30/2002

TIME: 16:06:57

Input Set : D:\Seqlist.txt

Output Set: N:\CRF3\04302002\I641034.raw